

SECTION 07240

EXTERIOR INSULATION AND FINISH SYSTEM

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Composite wall cladding system including insulation and applied coating finish.

1.2 PERFORMANCE

- A. Provide system to accommodate movement of components without buckling, failure of joint seals, undue stress on fasteners or other detrimental effects caused by temperature variations or deflection of wall framing up to 1/240 of span due to wind load.
- B. Provide positive drainage for moisture entering or condensate occurring in the system.
- C. Provide insulation meeting requirements of UBC.

1.3 SUBMITTALS

- A. Submit the following in accordance with the requirements of Section 01300:
 - 1. Catalog data.
 - 2. Manufacturer's installation instructions.
 - 3. 2 foot x 2 foot samples of color and textures to be used. Make samples utilizing tools and techniques proposed for installation.
 - 4. Shop Drawing indicating support framing, details and method of attachment. Do not commence work until Shop Drawings have been approved.

1.4 QUALITY ASSURANCE

- A. Use products from a manufacturer that specializes in exterior insulation and finish systems.
- B. Use an installer that is approved by the manufacturer and has successfully completed at least [10] projects of similar size and scope as this project.

PART 2 PRODUCTS

2.1 GENERAL

- A. Obtain components from the system manufacturer or a source approved by the system manufacturer.

2.2 MANUFACTURERS

- A. Dryvit System, Inc.
- B. R-Wall: ISPO, Inc.
- C. STO Thermal Systems: STO Industries, Inc.
- D. Senerflex: Senergy Inc.

2.3 INSULATION BOARD

- A. Provide expanded or extruded polystyrene board conforming to ASTM C578, with flame spread of 25 or less and smoke development of 450 or less in accordance with ASTM E84.
- B. Use dimensions conforming to the following standards.
 - 1. Thickness: [1 inch, plus or minus 1/16 inch.]
 - 2. Maximum Board Size: Four feet by eight feet.
 - 3. Edges: Ship-lapped.

2.4 REINFORCING MESH

- A. Provide a balanced, woven glass fiber mesh, supplied or approved by the system manufacturer.

2.5 FINISH SYSTEM

- A. Provide an acrylic based, factory mixed coating(s).

Select appropriate description.

- B. Color to be selected by Contract Administrator.
- B. Color to match existing [adjacent] building.
- B. Color to be [] by [].
(If colors are selected during design phase)

- C. Use clear and potable water.

2.6 ADHESIVES AND SOLVENTS

- A. Provide ready-mixed, acrylic-based adhesives manufactured or approved by the system manufacturer.
- B. Provide solvents used for surface sealing and as an adhesion intermediary manufactured or approved by the system manufacturer.

2.7 SEALANTS

- A. Provide sealants approved by the system manufacturer.

PART 3 EXECUTION

3.1 PREPARATION

- A. Ensure that adjacent materials are protected from damage or staining during installation of exterior insulation and coating system.
- B. Do not begin work of this section and notify the Contract Administrator if substrate conditions will adversely affect acceptable results.

If system is to be applied to existing painted masonry insert the following statement:

[C. Prepare surface of masonry in accordance with system manufacturers written instructions.]

3.2 INSTALLATION

A. Install system in strict accordance with the system manufacturer's written instructions.

3.3 CLEAN UP

A. Remove debris resulting from the work performed.

B. Repair or replace damaged or disfigured surfaces caused by work of this section.

END OF SECTION